
**Savannah River Site
Citizens Advisory Board (CAB)**



***2009
ANNUAL WORK PLAN***

INTRODUCTION

We, the 25 members of the Savannah River Site (SRS) Citizens Advisory Board (CAB), are pleased with having developed this 2009 Work Plan to help us keep focused during the year as we provide informed and timely recommendations at the request of the U.S. Department of Energy (DOE), through the Savannah River Operations Office (SR). We are looking forward to a busy year of receiving information and making recommendations.

Our recommendations should fall in the areas of environmental restoration, waste management, and related activities. Each January, DOE-SR presents a list of planned and ongoing activities at SRS that assists us in identifying issues and topics that are of particular interest to the CAB and to DOE. From this list, we developed this 2009 Work Plan as a tool to help us target appropriate topics for each of our four issues-based committees:

- Strategic and Legacy Management
- Waste Management
- Facility Disposition and Site Remediation
- Nuclear Materials

The topics presented by DOE-SR in January are to be considered DOE's request for public advice during the current calendar year. Committee chairs will work with the CAB's Technical Advisor and strive to keep the number and intensity of topics selected at a manageable level with a goal of completing all topics in the Work Plan each year, if possible, there are limits to available time and resources. Activities should be structured to focus only on the topics identified in the Work Plan.

It is understood, however, that other emerging issues and topics may present themselves after the Work Plan has been approved. In such cases, the CAB Chair will review and approve any committee chairperson's requests for additions to the Work Plan. If approved, the CAB Chair will submit a request to the CAB Support Team to be presented to the Deputy Designated Federal Officer for his/her approval. This approval will be evaluated and a response given by DOE in a timely manner and the additional topic(s) will be added to the Work Plan. Note that until such approval is received, we will not pursue consideration of or engagement in, activities related to the new issue or topic.

We also understand that occasionally requested presentations may not be appropriate as they do not fall within the scope of the Environmental Management SSAB Charter, or selected information may be at a pre-decisional status or security prohibitive.

When the interest or timing is appropriate, our CAB committee chairpersons will contact the CAB's Support Team by email (srscitizensadvisoryboard@srs.gov) and provide a full and clear explanation to include (a) what information or topic is requested, (b) approximately when the committee desires to hear about it, and (c) a summary of thoughts generated by CAB members on the topic. The Support Team will secure meeting locations and presenters for all Work Plan topics, based upon availability.

We, as members of the SRS CAB, will make a conscious effort to attend all meetings of the committee we joined, to support other CAB committees, and to log on to any CAB E-Meetings, when possible, to keep current with Work Plan topic developments, and assist in the completion of Work Plan coverage.

ACRONYM LIST

ARP	Actinide Removal Process
BRP	Burning Rubble Pit
CAB	Citizens Advisory Board
CSSC	Container Surveillance & Storage Capability Project
CSSX	Caustic Side Solvent Extraction
D&D	Deactivation & Decommissioning
DDA	Deliquification, Dissolution and Adjustment
DOE	Department of Energy
DWPF	Defense Waste Processing Facility
DUS	Dynamic Underground Stripping
EIS	Environmental Impact Statement
EM	Environmental Management
EPA	Environmental Protection Agency
ES	End State
FFA	Federal Facility Agreement
FY	Fiscal Year
LCS	Low Curie Salt
LLW	Low Level Waste
MCU	Modular Caustic Side Solvent Extraction Unit
MOX	Mixed-Oxide Fuel
NNSA	National Nuclear Security Administration
NEPA	National Environmental Policy Act
NM	Nuclear Materials
NRC	Nuclear Regulatory Commission
NRDC	Natural Resources Defense Council
PA	Programmatic Agreement
PAOU	P-Area Operable Unit
PMP	Performance Management Plan
RCRA	Resource Conservation Recovery Act
SCDHEC	South Carolina Department of Health and Environmental Control
SHPO	SC Historic Preservation Office
SL&M	Strategic & Legacy Management
SRNS	Savannah River Nuclear Solutions
SRR	Savannah River Remediation
SRS	Savannah River Site
SRNL	Savannah River National Laboratory
SWPF	Salt Waste Processing Facility
TRU	Transuranic
WD	Waste Determination
WM	Waste Management
WIPP	Waste Isolation Pilot Plant
WIR	Waste Incidental to Reprocessing
WOW	Waste on Wheels

ISSUES-BASED COMMITTEE DESCRIPTIONS

Strategic and Legacy Management Committee

This Committee is involved in strategic issues relevant to the future of the SRS. This includes long-term policy, planning and other “cross-cutting” issues related to other CAB committees. Its work includes many programmatic topics. Specific areas of interest are development and deployment of technology, the SRS budget decision-making process, future land use, legacy management/long-term stewardship, historic preservation and relevant national environmental policy. It encourages other CAB committees to integrate long-term stewardship into issue deliberations and CAB recommendations. Topics under consideration for the Strategic and Legacy Management (S&LM) Committee in 2009 include:

- Strategic Planning
 - Planning Hierarchy
 - Program Management Plan
 - Ten-Year Site Plan
 - Budget Development/Integrated Priority List
- Corporate Performance Measures and Baseline
- Risk Management
- Land Management and Use
 - Military Operations
 - Fuel Availability for Biomass Utilization for Steam/Power Generation
 - US Forest Service – Savannah River (USFS-SR) Annual Update on the SRS Natural Resources Management Plan
 - Drought Contingency Planning
- Environmental Monitoring
- Historic Preservation
 - Artifacts Identification and Conservation
 - Visitor Center/Museum
- Environmental Justice Program
- NEPA Documentation Related to SRS – Updates
- Liquid Waste Contract Transition

Waste Management Committee

This Committee addresses the treatment, storage and disposal of various waste streams, including transuranic waste (TRU), low-level waste (LLW), mixed low-level waste (MLLW) and radioactive liquid waste (LW). This committee's goal is to reduce the highest risk to the public, workers, and the environment.

Two important goals of the committee are to facilitate an effective and mutually cooperative working environment between the DOE/SRS and the respective state regulatory agencies and influence DOE to pursue a more integrated and comprehensive systems approach in its decision making process to include all risks, costs, and safety concerns associated with the various options involved with the decisions affecting SRS waste management and disposition. Topics under consideration for the Waste Management (WM) Committee in 2009 include:

Solid Waste

- Transuranic (TRU) Waste Project
 - TRU Drum Shipments
 - TRU Waste Removal from Storage PAD 1
 - Large Box Assay and Removal
 - Accelerate/Complete All Shipments to WIPP
- Low-Level/Mixed Low-Level/Hazardous Waste Disposition
- PUREX Waste Disposition Project
- H-Canyon Alternative Waste Initiatives

Liquid Waste

- Tank Closure Issues
 - Tanks 18 and 19 Project
 - Update on Tank 48
 - Performance Assessment Modeling including Point of Compliance Issues
 - Tank Annulus Cleaning
 - F-Area and H-Area Tank Heel Assessment and Removal
 - Waste Determinations and Interactions Between DOE, SCDHEC, EPA, & NRC
- Utilization of H-Canyon
 - Impact of Water Generation on Downstream Operating Facilities
- Interaction and Operability Issues Between Major Operating Units
- Defense Waste Processing Facility Operations
 - Long-Term Storage Needs
 - DWPF Infrastructure (Pu Disposition)
- Salt Waste Processing Facility Project
 - Construction progress
 - Actinide Removal Process (ARP) and Modular Caustic Side Solvent Extraction Unit (MCU) Lessons Learned
- Saltstone Operations
- Tank Space Management
 - Key Tank Recovery (Tank 48, 50, & 25)
 - Status of Critical Components
 - DWPF Recycle Handling
 - Status of Tank Farm Space
- System Planning
 - System Planning Update
 - Critical Path Update

Facility Disposition and Site Remediation Committee

This Committee addresses the remediation of contaminated areas at SRS and addresses the various types of, groundwater and surface water contamination. The Committee deals with issues related to the Federal Facility Agreement (FFA), risk management/risk assessment, the regulatory process and other cross-cutting issues that pertain to environmental restoration. The Committee also follows deactivation and decommissioning (D&D) actions taken to reduce risk and costs following a shutdown of an industrial, radioactive, or nuclear facility. Topics under consideration for the Facility Disposition and Site Remediation (FD&SR) Committee in 2009 include:

- Facility Disposition
 - Area Completion Project Technologies Update
 - Annual Area Completion Project Update
- Site Remediation
 - Annual Updates
 - FFA Appendix E
 - Integrated Operable Units Program
 - Remedial Actions – Four Mile Branch
 - A-, M-Areas Groundwater Remediation
 - A-Area Biomass Steam Plant Design and Operation
 - Operable Unit Project Updates
 - D-, M-, R-, P- Areas Operable Units
- D/K Area Powerhouse Biomass Plants Update
- P Reactor Decommissioning and Deactivation
- Environmental and Regulatory Activities
- US Forest Service – Savannah River (USFS-SR)
- CMP Pits Electrical Resistance Heating System Remediation Status
- 235-F Project Review

Nuclear Materials Committee

This committee was established to study issues that involve nuclear materials (generally uranium and plutonium) that have an impact on present or future SRS activities. Issues include spent nuclear fuel program activities (foreign and domestic), nuclear materials management and nuclear materials integration. The committee addresses the consolidation, storage and disposition issues related to the legacy materials that were once part of the nuclear weapons production cycle that are no longer needed for their original purpose, but are not considered waste. Topics under consideration for the Nuclear Materials (NM) Committee were discussed at the January full board meeting. Then after further consideration, the below topics were further expanded and the 235F Project Status was omitted by Don Bridges, Chair, Nuclear Materials Committee, (via email on 02/06/09) with concurrence from Manuel Bettencourt, SRS CAB Chair, and approved by Pat McGuire, DDFO, on 02/09/09:

- Plutonium Storage and Consolidation
 - Plutonium Consolidation Activities
 - Plutonium Storage and Surveillance Program
 - Facility Upgrades in K-Area
 - Fire Protection Upgrades
 - Plutonium Processing Facility Requirements in K-Area
- Plutonium Disposition Program
 - Optimization Studies for Disposition of Plutonium
 - Plutonium Processing in H-Canyon
 - Interface/Input/Liaison with NNSA MOX Facility
 - Other Plutonium Disposition Concepts
 - Feasibility Studies Relating to Plutonium Disposition
- Enriched Uranium Disposition Program
 - HEU Processing in H-Canyon
 - Further HEU Receipts
- Spent Nuclear Fuel Storage and Disposition Program
 - Spent Fuel Inventory and Planned Receipts (Foreign and Domestic)
 - Spent Fuel Processing Plans
 - Spent Fuel Exchange Program with Idaho
- Canyon/ HB-Line Processing Activities/Capabilities/Schedules
 - H-Canyon Processing Schedules/Capabilities
 - H-Canyon Infrastructure Upgrades
 - H-Canyon Waste Minimization Efforts
 - H-Canyon Operations/Safety Analyses
- Other Nuclear Materials Activities
 - Disposition of Depleted Uranium Oxide
 - Receipt of Any Additional Nuclear Materials
 - Transition of Nuclear Materials Coordinating Committee Activities to National Nuclear Security Administration (NNSA).